Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/24/2020 10:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124960	-1	2.44	124955	2.44
Blue	F	SSC	125000	123482	-2	1.58	124292	1.56
Blue	E	FITC	15892	15324	-4	2.89	334	19.51
Blue	D	PE	29999	29493	-2	2.05	643	14.86
Blue	B	PerCP-Cy5-5	43732	43075	-2	3.69	1157	20.46
Blue	A	PE-Cy7	30845	30574	-1	6.17	580	41.56
Red	C	APC	46112	45381	-2	2.40	1604	12.25
Red	A	APC-Cy7	30458	29490	-4	2.31	782	11.89
Violet	B	V450	7918	7633	-4	4.83	427	13.67
Violet	A	V500	32171	31007	-4	4.64	719	10.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17819	12.73	622	1	N/A	N/A	Pass
Blue	F	SSC	56205	1.15	564	5	N/A	N/A	Pass
Blue	E	FITC	61	63.54	543	0	0.0220	160	Pass
Blue	D	PE	133	48.88	550	2	0.1490	217	Pass
Blue	B	PerCP-Cy5-5	213	49.76	657	1	0.0089	48	Pass
Blue	A	PE-Cy7	106	103.58	700	2	0.0106	16	Pass
Red	C	APC	380	25.40	588	4	0.0235	117	Pass
Red	A	APC-Cy7	171	28.63	559	3	0.0056	919	Pass
Violet	B	V450	65	57.02	460	2	0.0404	1317	Pass
Violet	A	V500	108	30.48	476	2	0.0239	369	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.66	-32.05	1.01
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.47
Red	15.37	13.60 - 20.40	N/A	N/A	29.53	30.13	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11887

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments